

WHEREFORE, I CLAIM

1 1. A system for converting an original document written in a non-voice enabled language
2 into a voice enabled document, said system including means for communicating with a potential
3 user and means for dynamically converting said original document into a voice-enabled
4 document by the application of an XSLT translator without the need to manually code such
5 voice-enabled document.

1 2. The system of claim 1, wherein the original document is converted into a VoiceXML
2 document.
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1 3. The system of claim 1, wherein the original document is a web page written in HTML.
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1 4. The system of claim 1, wherein the original document is the product of a database
2 query.
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1 5. The system of claim 1, wherein said means for communicating comprises a
2 VoiceXML browser that parses VoiceXML and handles all speech recognition and text to speech
3 operations.

1 6. The system of claim 5, wherein said VoiceXML browser is contained on a voice
2 server.

1 7. The system of claim 6, wherein said voice server is a Windows server.

1 8. The system of claim 5, where said means for dynamically converting comprises:

2 a converter for establishing a particular speech sequence and means for entering
3 XSLT rules; and

4 a run time engine for: receiving a request from said voice browser, obtaining a
5 non-voice enabled document to be converted, applying the XSLT rules from said
6 converter, converting said non-voice enabled document into a voice-enabled document by
7 applying said XSLT rules and outputting the converted document to said voice server.

8 9. The system of claim 8, further including an external data source containing the
9 original document to be converted.

10 10. The system of claim 8, wherein said converter is a Windows tool that can create
11 XSLT translations.

1 11. The system of claim 10, wherein said converter runs on a Windows developer
2 workstation.

1 12. The system of claim 8, wherein said run time engine is a set of code written in Java
2 running as a servlet application.

1 13. A system for converting an original document written in a non-voice enabled
2 language into a voice enabled document, said system including:
3 a voice server for communicating with a potential user;
4 a converter for establishing a particular speech sequence with a potential user;
5 means for accessing an external data source containing said original document; and
6 a run time engine for dynamically converting said original document into a voice-enabled
7 document by the application of an XSLT translator from said converter without the need to
8 manually code such voice-enabled document.

9 14. The system of claim 13, wherein said run time engine includes:
10 means for receiving a request from said voice server;
11 means for obtaining said non-voice enabled document from said external data
12 source;
13 means for applying XSLT rules from said converter and convert said non-voice
14 enabled document into a voice enabled document; and
15 means for outputting the converted document to said voice server.

1 15. A method for dynamically converting a non-voice enabled document to a voice
2 enabled document, said method comprising the steps of:
3 providing a non-voice enabled document from an external data source;
4 establishing predetermined XSLT translation rules and a speech sequence and
5 introducing said rules and speech sequence into a data server having a run time engine;
6 receiving a voice request from a user through a voice server;
7 communicating the voice request to said run time engine from said voice server;
8 receiving the appropriate non-voice enabled document from said external source
9 and dynamically converting it into a voice-enabled document by applying the
10 predetermined XSLT translation rules; and
11 communicating said voice-enabled document to said voice server.

12 16. The method of claim 15, wherein said non-voice enabled document is a web page
13 written in HTML.
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